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file: Model Air-Fed Inc.

15 January 1963

MEMORANDUM FOR THE RECORD

SUBJECT: Electrical Current and Pertinant Data for Model I Incinerator Installation at [redacted] 25X1

1. [redacted] Physical Security Division, called Jan. 11, to say that [redacted] has 110/220 volt, 50 cycle, single phase current only and the incinerator is to be installed at an elevation of [redacted] He wanted to know if a motor-blower could be procured to accommodate these conditions. 25X1 25X1 25X1

2. After consultation with [redacted] the following data for motor-blower equipment was drawn up: A 7½ HP single phase motor-blower No. 25 MW Blower with a 17½ inch diameter fan wheel. This can be procured from the [redacted] but a General Electric Motor should be specified. 25X1 25X1 25X1

3. The specifications on the motor should read: A 220 volt, single phase, 50 cycle, 7½ HP motor in a number 215 frame. The motor is to have a 1 1/8 inch diameter shaft. The brake horsepower required is 5½ HP at 12,000 ft.

4. The starter box should be an Allen-Bradley Bulletin Number 709 CAA-1. The heaters should be N-41 which will give protection to 31 amps. A single phase holding coil for 50 cycle current (2A07) should be incorporated.

5. At this elevation the motor-blower will not draw a full 30 amps of current. Although the initial surge may be 30 amperes the running current requirement will drop to approximately 25 amps.

6. It is estimated that at this elevation, using the above detailed motor-blower system, the burning capacity of the Model I Air-Fed Incinerator will be 60-65% of that at sea level to 1000 feet elevation.

[redacted] 25X1

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